



Orange County Sanitation District

Administration Building
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OPERATIONS COMMITTEE

Agenda Report

File #: 2019-728

Agenda Date: 11/20/2019

Agenda Item No: 6.

FROM: James D. Herberg, General Manager
Originator: Kathy Millea, Director of Engineering

SUBJECT:

LABORATORY BOILER BURNER REPLACEMENT AT PLANT NO. 1, PROJECT NO. MP-485

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Receive and file Bid Tabulation and Recommendation for Laboratory Boiler Burner Replacement at Plant No. 1, Project No. MP-485;
- B. Award a contract agreement to ODC Engineering & Technology for Laboratory Boiler Burner Replacement at Plant No. 1, Project No. MP-485, for an amount not to exceed \$283,000; and
- C. Approve a contingency of \$28,300 (10%).

BACKGROUND

The Orange County Sanitation District (Sanitation District) Laboratory Building at Plant No. 1 was constructed in 1991 and is essential for the operational monitoring and compliance verification for both wastewater treatment plants.

RELEVANT STANDARDS

- Sound engineering and accounting practices, complying with local, state, and federal laws
- Maintain a culture of improving efficiency to reduce the cost to provide the current service level or standard

PROBLEM

In April 2018, the four-natural gas-fired boilers for the Laboratory Building were tested by the South Coast Air Quality Management District (SCAQMD) and found not to be in compliance with nitrogen oxides emissions requirements. The four boilers were then shut down. The building is now heated from the plant's hot water loop, which is difficult to control and maintain a consistent temperature to avoid impacting laboratory analyses and causing occupant discomfort.

PROPOSED SOLUTION

Implement Plant No. 1 Laboratory Boiler Burner Replacement, Project No. MP-485, to replace the gas burners in the existing four boilers with new burners that meet the SCAQMD requirements.

TIMING CONCERNS

Until the new burners are installed and commissioned, the existing boilers will not be operational and consistent environmental heating to the laboratory building and its occupants will be compromised.

RAMIFICATIONS OF NOT TAKING ACTION

Failure to take action will result in the Laboratory's analyses and occupants not having adequate heating for the building in the upcoming winter months.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

The Sanitation District advertised for bids on August 5, 2019. Three sealed bids were received on September 25, 2019. The bids were evaluated in accordance with the Sanitation District's policies and procedures.

Staff recommends awarding a construction contract to the lowest responsive and responsible bidder, ODC Engineering & Technology, for the completion of Plant No. 1 Laboratory Boiler Burner Replacement, Project No. MP-485.

Summary information on the bid opening for this project is as follows:

Engineer's Estimate: \$250,000

<u>Bidder</u>	<u>Amount of Bid</u>
ODC Engineering & Technology	\$283,000
Metro Builders & Engineers Group, Ltd.	\$394,750
MMC Inc.	\$431,164

CEQA

The project is exempt from CEQA under the Class 1 categorical exemptions set forth in California Code of Regulations sections 15301 because the project involves repairs and replacement of existing facilities involving no expansion of use or capacity. A Notice of Exemption was filed with the OC Clerk-Recorder on February 28, 2019.

FINANCIAL CONSIDERATIONS

This request complies with authority levels of the Sanitation District's Purchasing Ordinance. This recommendation would be funded under the Operations and Maintenance Capital Program, Project

No. M-SM-CAP (FY 2019-20, Budget Update, Appendix A, Page A-8). The budget is sufficient for the recommended action.

ATTACHMENT

The following attachment(s) may be viewed on-line at the OCSD website (www.ocsd.com) with the complete agenda package:

- Contract Agreement

DR:dm:sa:gc